

United States Patent [19]
Govil et al.

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[54] TRANSDERMAL DELIVERY OF NICOTINE

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[52] U.S. Cl. 424/447; 424/449; 128/156

[58] Field of Search 424/422-426, 424/447, 448, 449; 128/156

[56] References Cited

U.S. PATENT DOCUMENTS

4,597,961 7/1986 Etscorn 424/448
4,839,174 6/1989 Baker et al. 424/447

FOREIGN PATENT DOCUMENTS

3438284 3/1985 Fed. Rep. of Germany
8801516 3/1988 PCT Int'l Appl.

OTHER PUBLICATIONS

Rose, et al., *Clin. Pharmacol. Ther.*, 38, 4, (1985), pp. 450-456.

CA102:1911882 (1985).

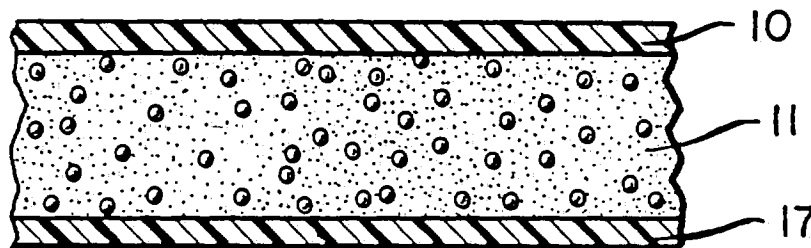
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[57] ABSTRACT

A transdermal nicotine patch comprising an antipruritic to counteract pruritis observed with the transdermal administration of nicotine is disclosed. The patch can be any conventional patch type, e.g., reservoir, adhesive or polymeric matrix.

14 Claims, 1 Drawing Sheet



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